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(See inside cover)



Summary Report

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

SARY-SHAGAN POSSIBLE RADAR UNDER CONSTRUCTION, USSR

SR-018/77

APRIL 1977
Copy 133

25X1

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Sary-Shagan Possible Radar Under Construction, USSR

construction was continuing on a large rectangular	25 X 1								
building foundation 1,930 meters south of Sary-Shagan HEN HOUSE A									
The dimensions for the foundation are similar to the dimensions for the large phased-array									
radar at the Olenegorsk HEN HOUSE Radar Facility and the receiver for	25 X 1								
the Pechora Phased-Array Radar Facility The construction activity on	25 X 1								
the building foundation has been recently targeted as Sary-Shagan Possible Radar Under									
Construction (Figure 1).									
Two short walls and one long wall are being constructed parallel to the long axis of the									
building foundation. The third	25X1								
wall , is between the two shorter walls	25X1								
	25X1								
the approximate overall dimensions of the building foundation area	25 X 1								
were 104 by 24 meters; the foundation area was occupied by footings arranged in five rows									
along the short axis and 18 rows along the long axis. The distance between the individual									
footings	25 X 1								
Initial scarring began A large excavation was seen	25X1								
footings and a wall									
were observed under construction.	25 X 1								
A housing/support area northeast of the building foundation contains 17 buildings, ten of which were still under construction In addition, construction activity was	OEVA								
	25 X 1								
observed at the batch plant midway between the building foundation and the HEN HOUSE									
facility.									
The base dimensions for the Olenegorsk and Pechora radars are comparable to those for									
the building foundation at Sary-Shagan. At Olenegorsk, the phased-array radar is 101 by 49									
meters (including the attached control building) and at Pechora the receiver is 115 by 44									
meters at the base. The distances between footings for the Olenegorsk radar in the early									
stage of construction	25X1 25X1								
(Figure 2), and at Pechora the footings apart along both axes.	23/(1								
Construction of the radars at Olenegorsk and Pechora took approximately two and one-									
half years. The similarities in construction of these two radars with the building foundation									
at Sary-Shagan would suggest that if the construction activity at Sary-Shagan is for a radar,									
it may be completed by early 1979.									
	2574								
	25 X 1								
	25X1								
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- 1 -

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List of Conversion Factors by Classification

UNITS OF LENGTH

UNITS OF MASS

IF YOU HAVE	MULTIPLY BY	TO OBTAIN	IF YOU HAVE	MULTIPLY BY	TO OBTAIN
MILLIMETERS	0.0394	INCHES	KILOGRAMS	2.2046	POUNDS(AVOIR.)
CENTIMETERS	0.3937	INCHES	POUNDS(AVOIR.)	0.4536	KILOGRAMS
INCHES	25.4000	MILLIMETERS	SHORT TONS	0.9072	METRIC TONS
INCHES	2.5400	CENTIMETERS	METRIC TONS	1.1023	SHORT TONS
FEET	0.3048	METERS	METRIC TONS	0.9842	LONG TONS
FEET	0.0003	KILOMETERS	LONG TONS	1.0160	METRIC TONS
YARDS	0.9144	METERS			
METERS	3.2808	FEET			
METERS	0.0005	MILES(NAUTICAL)			
METERS	1.0936	YARDS	UNITS OF VOLUME		
KILOMETERS	3280.8400	FEET			
KILOMETERS	0.6214	MILES(STATUTE)	IF YOU HAVE	MULTIPLY BY	TO OBTAIN
KILOMETERS	0.5400	MILES(NAUTICAL)	LITERS	0.2642	GALLONS
MILES(STATUTE)	1.6093	KILOMETERS	LITERS	0.0063	BARRELS(POL)
MILES(NAUTICAL)	6076.1154	FEET	LITERS	0.0010	CUBIC METERS
MILES(NAUTICAL)	1.8520	KILOMETERS	GALLONS	3.7854	LITERS
MILES(NAUTICAL)	1852.0000	METERS	GALLONS	0.1337	CUBIC FEET
			GALLONS	0.0238	BARRELS(POL)
			GALLONS	0.0038	CUBIC METERS
			BUSHELS	0.0352	CUBIC METERS
	UNITS OF AR	EA	CUBIC FEET	7.4805	GALLONS
IF YOU HAVE	MULTIPLY BY	TO OBTAIN	CUBIC FEET	0.1781	BARRELS(POL)
SQUARE CENTIMETERS	S 0.1550	SQUARE INCHES	CUBIC FEET	0.0283	CUBIC METERS
SQUARE INCHES	6.4516	SQUARE CENTIMETERS	CUBIC YARDS	0.7646	CUBIC METERS
SQUARE FEET	0.0929	SQUARE METERS	BARRELS(POL)	158.9873	LITERS
SQUARE YARDS	0.8361	SQUARE METERS	BARRELS(POL)	42.0000	GALLONS
SQUARE METERS	10.7639	SQUARE FEET	BARRELS(POL)	5.6146	CUBIC FEET
SQUARE METERS	1.1960	SQUARE YARDS	BARRELS(POL)	0.1590	CUBIC METERS
SQUARE METERS	1.0000	CENTARES	CUBIC METERS	1000.0000	LITERS
SQUARE METERS	0.0002	ACRES	CUBIC METERS	264.1721	GALLONS
SQUARE METERS	0.0001	HECTARES	CUBIC METERS	35.3147	CUBIC FEET
ACRES	4046.8564	SQUARE METERS	CUBIC METERS	28.3776	BUSHELS
ACRES	0.4047	HECTARES	CUBIC METERS	6.2898	BARRELS(POL)
HECTARES	10000.0000	SQUARE METERS	CUBIC METERS	1.3080	CUBIC YARDS
HECTARES	2.4711	ACRES			

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